

APPLICANT(S): IDAN, Gavriel J.
SERIAL NO.: 10/811,013
FILED: March 29, 2004
Page 2

AMENDMENTS TO THE CLAIMS

Please add or amend the claims to read as follows, and cancel without prejudice or disclaimer to resubmission in a divisional or continuation application claims indicated as cancelled:

1-13. (Cancelled)

14. (Currently Amended) A system for in-vivo imaging comprising:

an in-vivo device including at least:

[[a]] an image sensor; and

a normally closed magnetic MEMS switch, wherein said switch is electrically connected to a processing circuit for controlling a component in the in-vivo device selected from a group consisting of: the image sensor, a transmitter, a power unit and one or more illumination sources and said switch is configured to change a property of the in-vivo device component; and

a control device located outside a patient's body, the control device including at least a magnetic field source producing a magnetic field sufficient to keep the switch open and a computer processing controller to receive image data corresponding to the GI tract sensed by the in-vivo device relating to an in-vivo condition and to operate the magnetic field source to operate the MEMS switch to control the in-vivo device component[[,]] in response to detecting, via an analysis of the image sensed data, the presence of a substance or a change in light levels corresponding to predetermined values, operate the magnetic field source to operate the MEMS switch to change a property of the in-vivo device.

15. (Cancelled)

16. (Cancelled)

17. (Currently Amended) The system of claim 14, wherein the controller is to determine [[the]] an in-vivo condition.

18. (Currently Amended) The system of claim [[14]] 17, wherein the condition is the location of the in-vivo device.

19. (Cancelled)

20. (Currently Amended) The system of claim 14, wherein controlling the in-vivo device component stops changing a property comprises stopping the operation of [[a]] the component of the in-vivo device.

APPLICANT(S): IDAN, Gavriel J.
SERIAL NO.: 10/811,013
FILED: March 29, 2004
Page 3

21. **(Original)** The system of claim 14, wherein the switch comprises:

a first ferromagnetic conductive terminal;
a flexible ferromagnetic conductive terminal; and
a non-magnetic conductive terminal; wherein the first ferromagnetic
conductive terminal and the non-magnetic conductive terminal are
electrically isolated.

22. **(Original)** The system of claim 14, wherein the in-vivo device is a swallowable capsule.

23. **(Currently Amended)** A method of controlling an operation of an in-vivo device, the method comprising:

at a computer processor external to a patient, receiving image data corresponding to the GI tract sensed by the in-vivo device ~~relating to an in-vivo condition~~ and controlling a magnetic field in response to analyzing the image received sensed data corresponding to predetermined values, and detecting, via the analyzing, the presence of a substance or a change in light levels; and

if the presence of a substance or a change in light levels is detected, in the in-vivo device, changing a property of the in-vivo device by controlling a circuit comprising a normally closed magnetic MEMS switch in response to the magnetic field, a normally closed magnetic MEMS switch causing a change in the operation of the in-vivo device.

24. **(Previously Presented)** The method of claim 23, comprising determining a condition of said in-vivo device according to said received data.

25. **(Previously Presented)** The method of claim 24, wherein the condition is the location of the in-vivo device.

26. **(Currently Amended)** The method of claim 23, ~~wherein said changing the operation includes stopping comprising controlling the in-vivo device component to stop the operation of [[a]] the component of the in-vivo device.~~

27. **(Previously Presented)** The method of claim 23, wherein the in-vivo device is a swallowable capsule.

28. **(Currently Amended)** The method ~~system~~ of claim ~~[[23]]~~ 14, comprising a transmitter and an antenna, wherein said receiving image data comprises receiving is received via a radio frequency transmission from [[a]] the transmitter by [[an]] the antenna.

29. **(Cancelled)**

APPLICANT(S): IDAN, Gavriel J.

SERIAL NO.: 10/811,013

FILED: March 29, 2004

Page 4

30. **(Currently Amended)** The ~~system~~ method of claim ~~[[14]]~~ 24, wherein the controller is to determine the in-vivo condition based on the analysis of ~~in-vivo images~~ the image data.